B6.129S2-Il6tm1Kop/J

Stock No: 002650 | Il-6 KO

Congenic Targeted Mutation

AVAILABLE NOW

PLACE ORDER

Sized to accommodate orders of up to 10 or more with age range. Ask Customer Service for details.
Also Known As: IL-6<sup>-/-</sup>, IL-6 KO
These interleukin 6 (IL6) mutant mice show defects in responses to various viruses and in inflammatory responses to tissue damage or infection.

Donating Investigator
IMR Colony, The Jackson Laboratory

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>000664 C57BL/6J</td>
<td>Contact Technical Support (2018-07-27 00:00:00)</td>
</tr>
</tbody>
</table>

**IL6<sup>Im1Kopf</sup>**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Il6</td>
<td>interleukin 6</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS
Internal/Organ Research
Cancer Research
Hematological Research
Immunology, Inflammation and Autoimmunity Research
Research Tools
Details

Detailed Description
Mice homozygous for the targeted mutation are viable and fertile. No gene product (mRNA) is detected by RT-PCR analysis of lipopolysaccharide (LPS) challenged macrophages. Bioassay and enzyme-linked immunosorbent assay (ELISA) analysis of serum from LPS-challenged homozygotes reveals no detectable protein activity. These interleukin 6 (Il6) mutant mice show defects in responses to various viruses and in inflammatory responses to tissue damage or infection.

Of note, IL6-mutant mice may be available on different genetic backgrounds including mixed B6;129S2 (Stock No. 002254), C57BL/6J (Stock No. 002650), BALB/cByJ (Stock No. 007078), and NOD/ShiLtJ (Stock No. 029264).

Development

Control Suggestions

Selected References

Genetics

Il6<sup>Im1Kapl</sup>

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support
Genotyping Protocols
Standard PCR: Ile^{tm1Kopf}
MELT: Ile^{tm1Kopf} MCA
Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

This strain is a good breeder.

This strain is maintained by mating homozygous siblings. The expected coat color from breeding is Black.

Additional Breeding and Husbandry Support

Mating System
Homozygote x Homozygote

Appearance
black
Related Genotype: a/a

Citation
When using Ili6^{tm1Kopf} mouse strain in a publication, please cite the originating article(s) and include JAX stock #002650 in your Materials and Methods section.

Facility Barrier Level Descriptions

- AX8 (Standard)

Pricing & Availability

Available Now

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### Terms Of Use

**Terms of Use**

**General Terms and Conditions**

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**Licensing Information**

Phone: 207-288-6470

Email: TechTran@jax.org

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains